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FIG-1

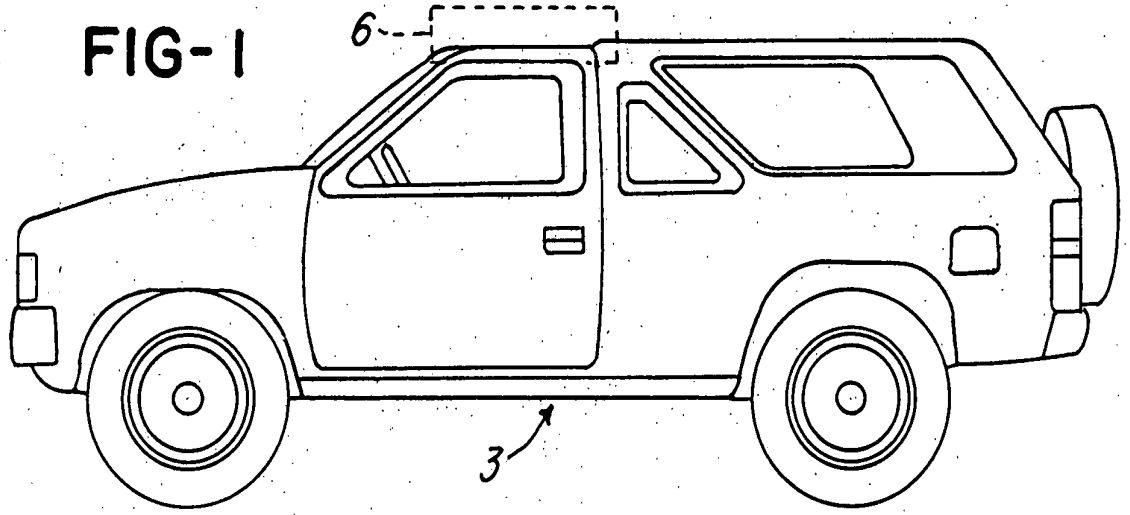



FIG-2

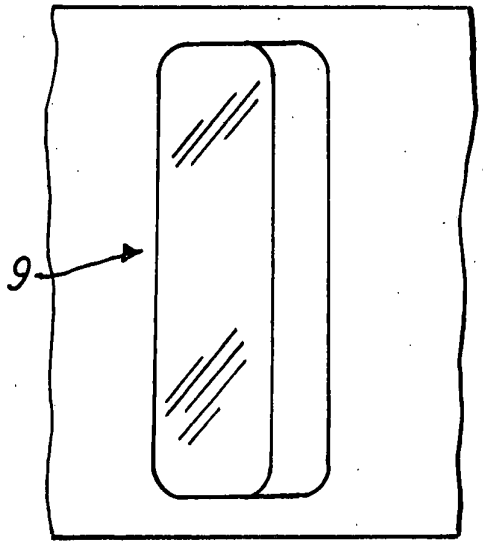
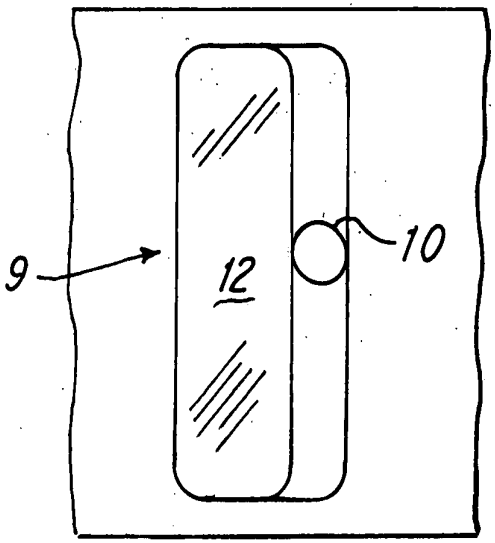



FIG-3



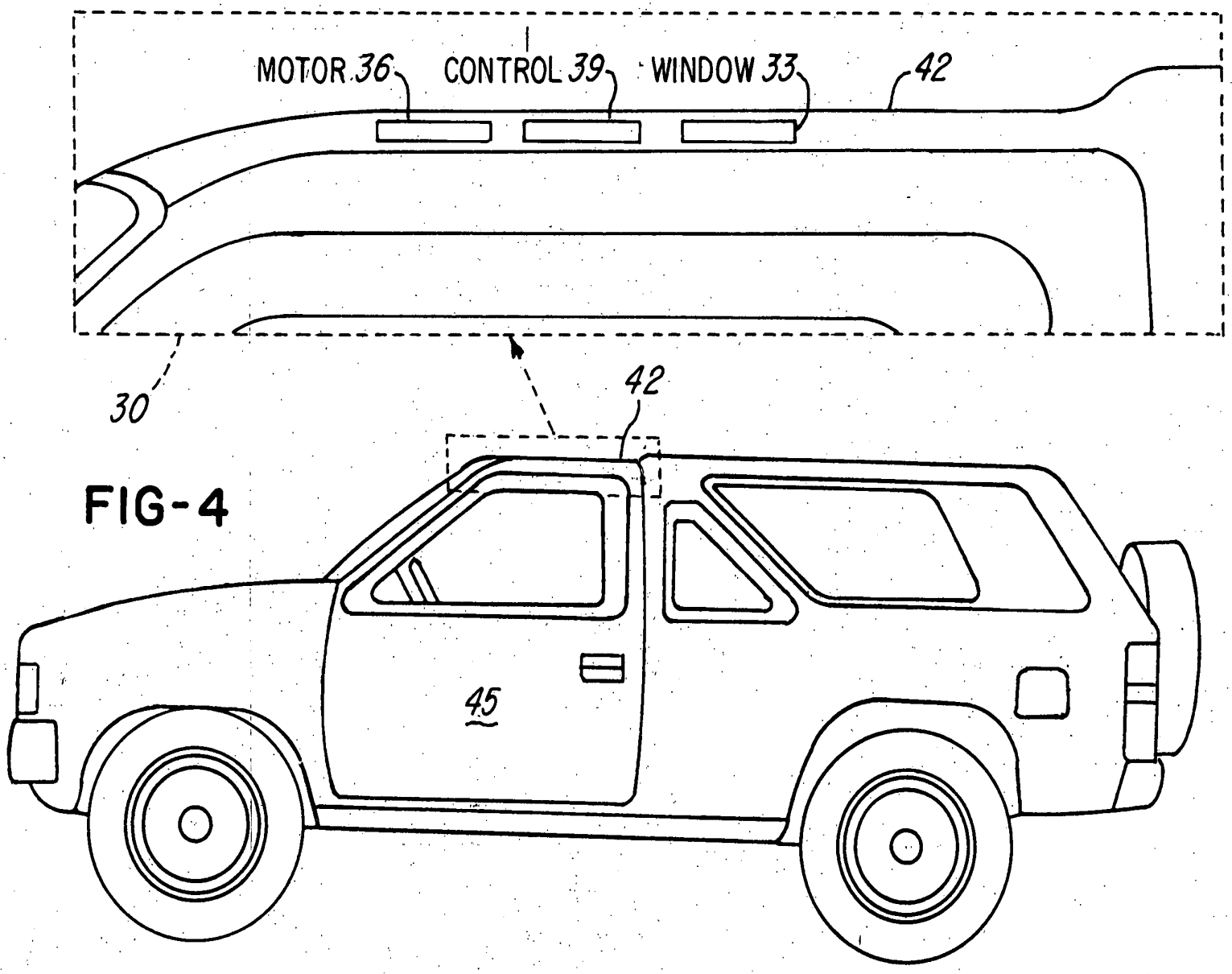



FIG-4

FIG-5A

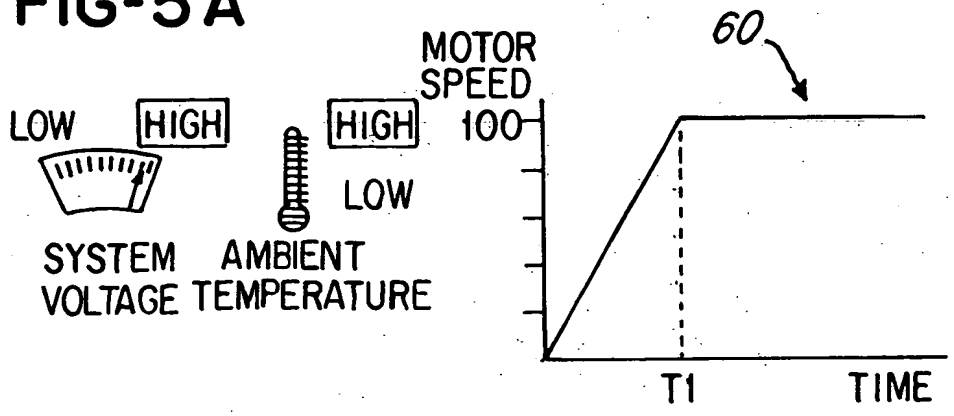



FIG-5B

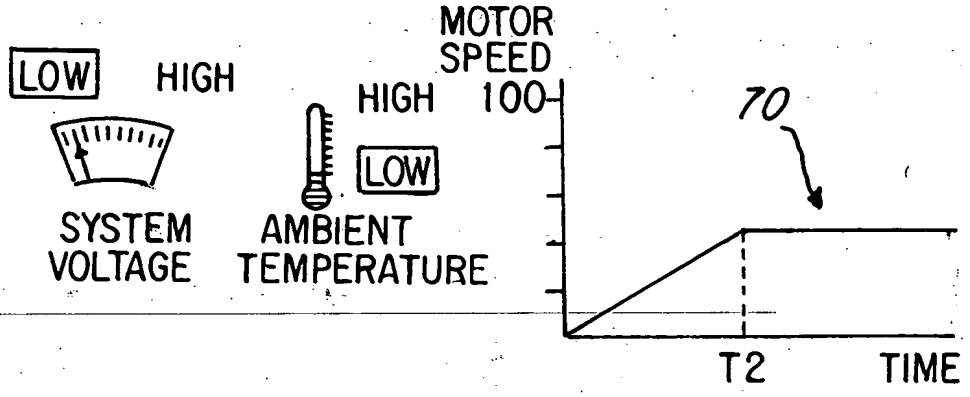



FIG-5C

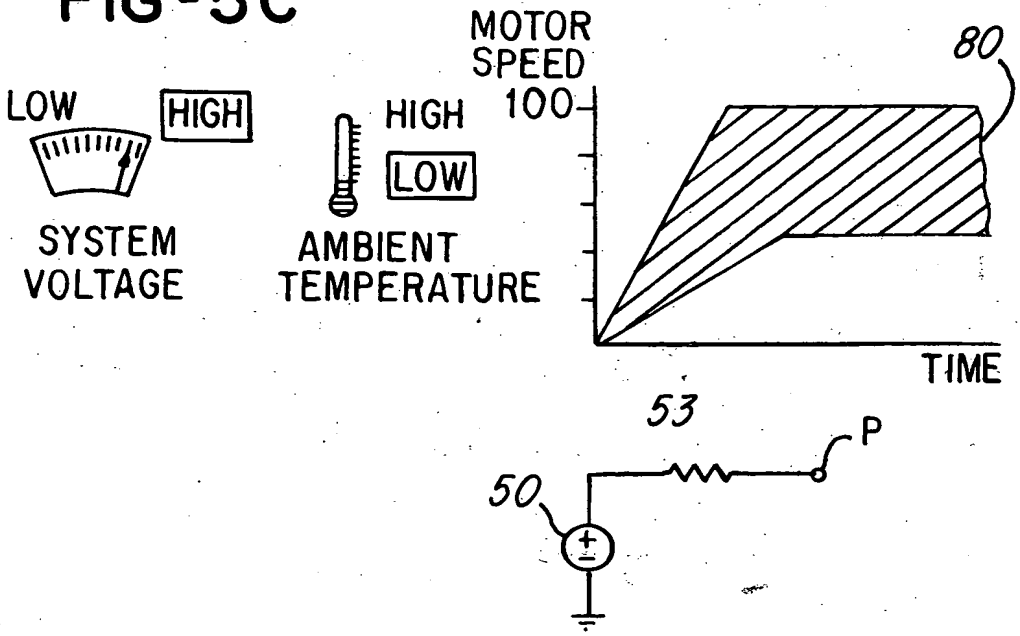


FIG-5D

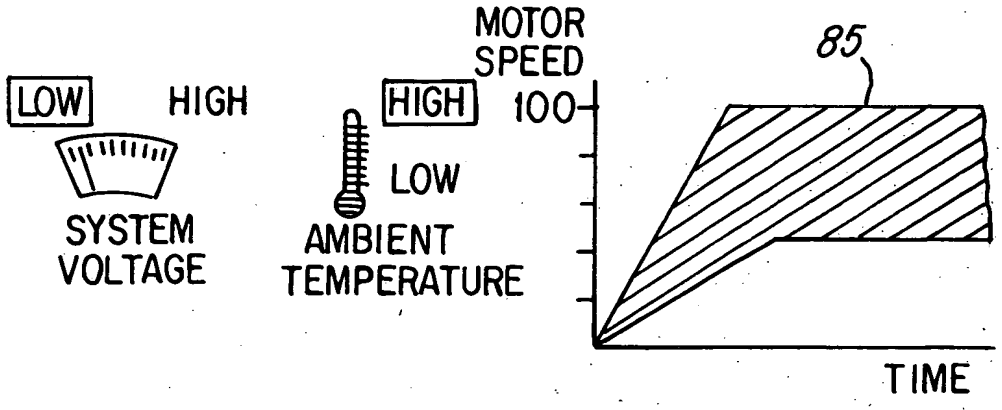



FIG - 6

$$Tf_{(k)} = \frac{\sum_{i=k}^{k-n} T_i}{n}$$ EQUATION (1)

$$\Delta T_{(k)} = (Tf_{(k)} - Tf_{(k-1)})$$ EQUATION (2)

$$RS_{(k)} = \sum_{x=0}^{x=k} \Delta T_{(x)}$$ EQUATION (3)

$$Trs(x) = \int \left( \left[ \frac{d(Tf(x))}{dx} \right] \right) dx + IC$$ EQUATION (4)

$$Trs(x) = \left[ \int \left( \frac{d(Tf(x))}{dx} \right) dx + IC(=0) \right]^{SaturatedtoZERO}$$ EQUATION (5)

FIG-7

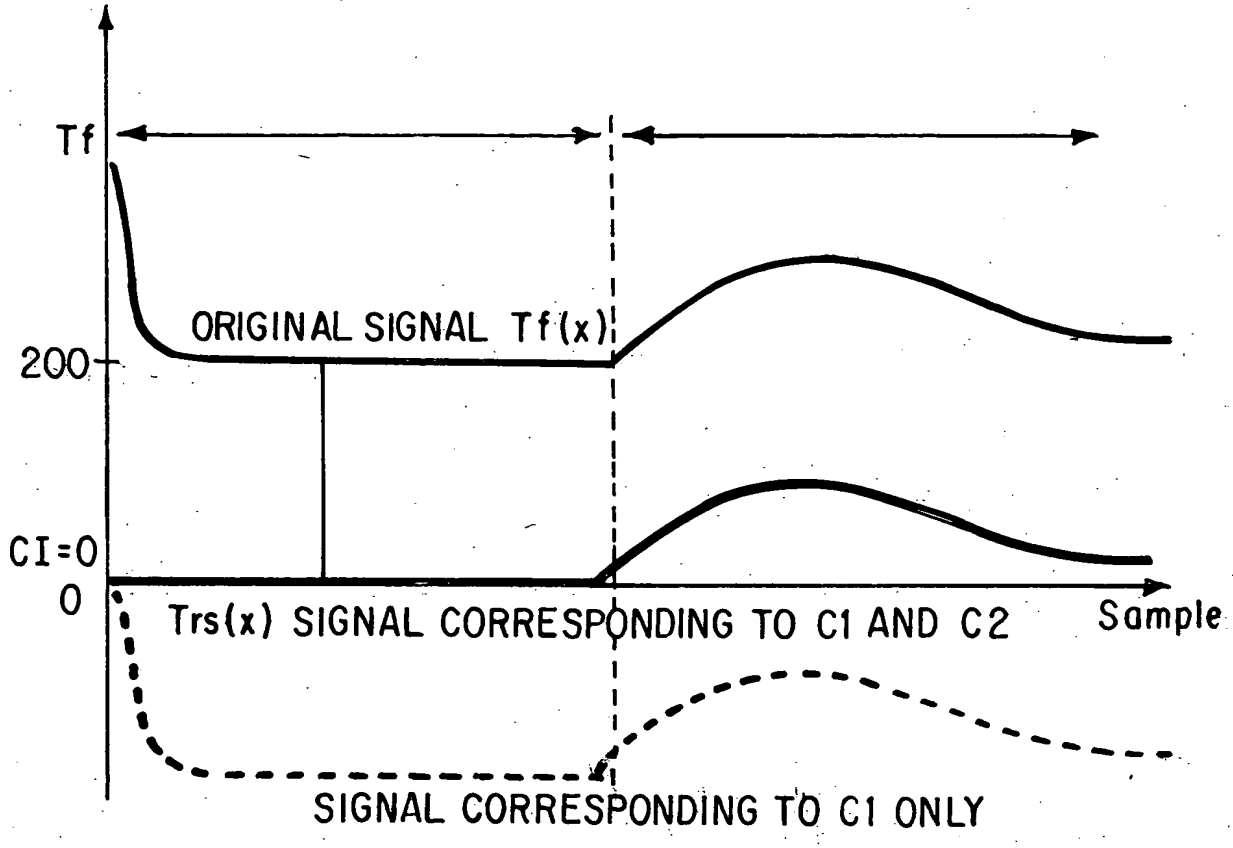

Tf
ORIGINAL SIGNAL Tf(x)
200
CI=0
0
Trs(x) SIGNAL CORRESPONDING TO C1 AND C2
Sample
SIGNAL CORRESPONDING TO C1 ONLY

FIG-8

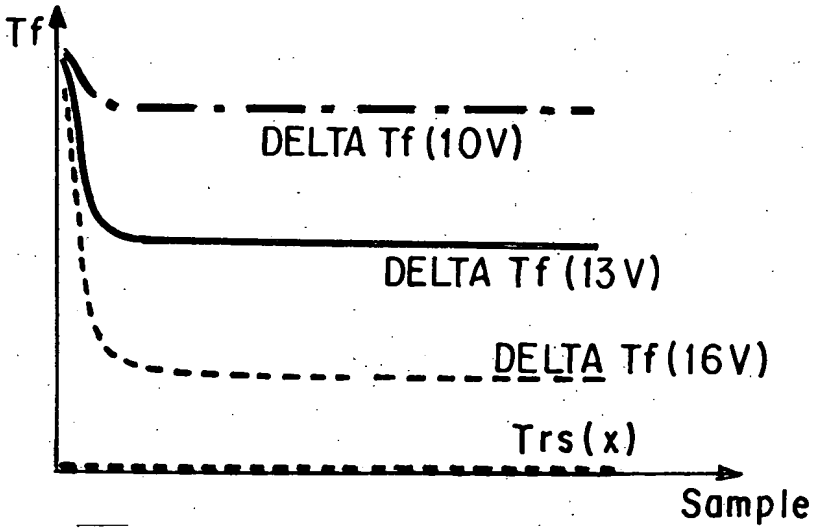

Tf
DELTA Tf (10V)
DELTA Tf (13V)
DELTA Tf (16V)
Trs(x)
Sample

FIG - 9A

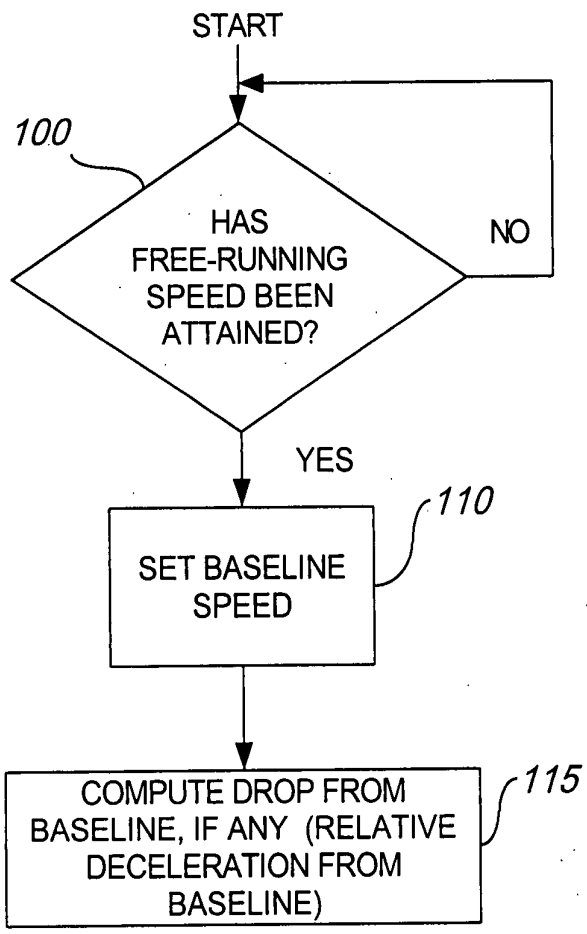



FIG-9B

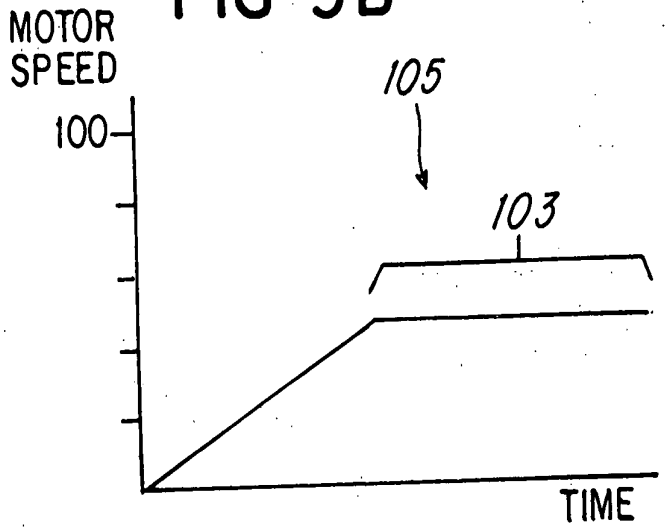



FIG-9C

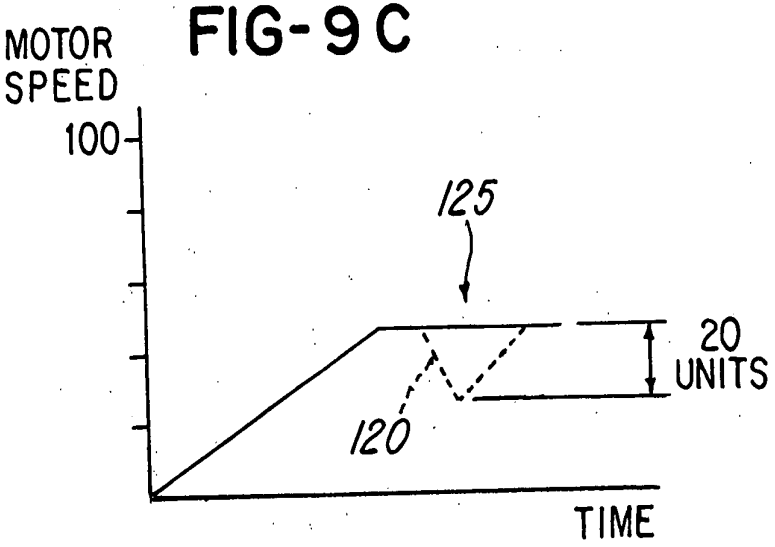
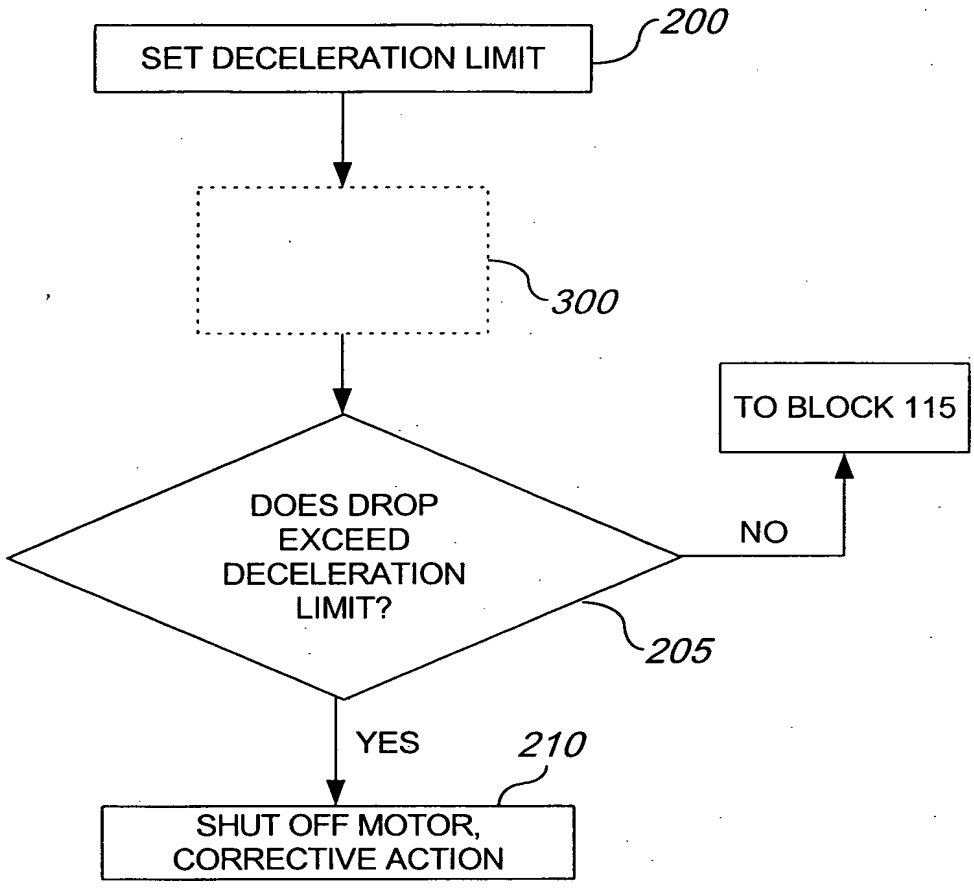


FIG - 10A



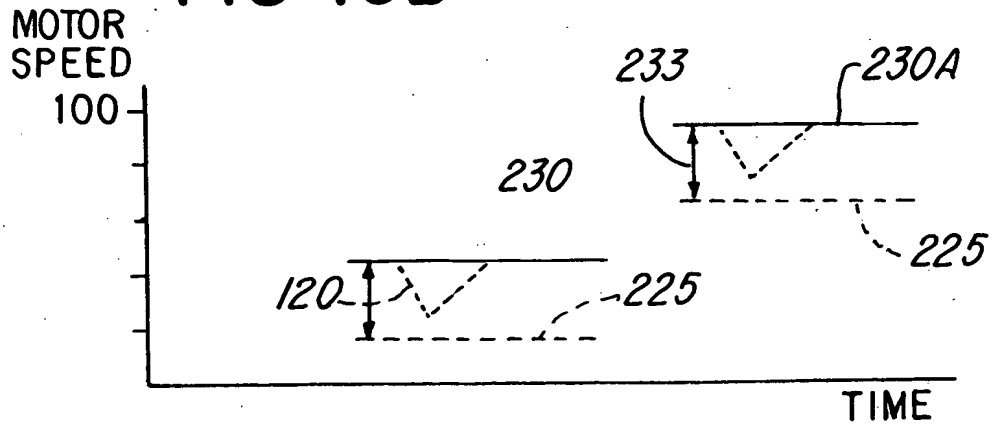


FIG-10B